AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Canceled)

2. (Currently Amended) A method for detecting a wireless access device on a network, the method comprising:

      storing one or more organizationally unique identifiers that comprise the first three octets of one or more registered addresses;

      receiving from the network a packet with an address;

      searching the identifiers, wherein a more frequently encountered ~~identifier~~ predetermined percentage of identifiers is searched first ~~before a less frequently encountered identifier~~;

      comparing the first three octets of the received address with the identifiers;

      determining if the received address includes one of the stored identifiers;

      determining an operating system associated with the received address, when comparing the received address results in a match between the received address and at least one of the registered addresses;

      comparing the determined operating system with one or more stored operating systems, such that at least one of the stored operating systems corresponds to the wireless access device; and

indicating that the received packet corresponds to the wireless access device based on the first three octets of the received address and when the determined operating system matches at least one of the stored operating systems.

3. (Original) The method of claim 2, wherein said receiving further comprises:

receiving the address with information identifying a source of the packet.

4. (Original) The method of claim 3, further comprising:

using an organizationally unique identifier as the information identifying the source.

5. (Original) The method of claim 2, wherein said receiving further comprises:

receiving the address based on passively monitoring the network.

6. (Original) The method of claim 2, wherein comparing the address further comprises:

determining whether a portion of the address is similar to a portion of at least one of the registered addresses.

7. (Original) The method of claim 2, wherein comparing the address further comprises:

determining whether a first organizationally unique identifier of the address is similar to a second organizationally unique identifier of at least one of the registered addresses.

8. (Original) The method of claim 2, wherein determining the operating system further comprises:

determining the operating system at the Internet Protocol address associated with the address.

9. (Original) The method of claim 8, wherein determining the operating system further comprises:

determining the operating system using an nmap.

10. (Original) The method of claim 2, wherein said indicating further comprises:

indicating the wireless access device is not authorized on the network.

11. (Original) The method of claim 2, further comprising:

storing the one or more registered addresses, such that the one or more registered addresses are searchable.

12. - 15. (Canceled)

16. (Original) The method of claim 2, further comprising:

storing the stored operating systems, such that a more frequently encountered stored operating system is searched before a less frequently encountered stored operating system.

17. (Canceled)

18. (Currently Amended) A system for detecting a wireless access device on a network, the system comprising:

    means for storing one or more organizationally unique identifiers that comprise the first three octets of one or more registered addresses;

    means for receiving from the network a packet with an address;

    means for searching the identifiers, wherein a more frequently encountered ~~identifier~~ <u>predetermined percentage of identifiers</u> is searched <u>first</u> ~~before a less frequently encountered identifier~~;

    means for comparing the first three octets of the received address with the identifiers;

    means for determining if the received address includes one of the stored identifiers;

    means for determining an operating system associated with the received address, when comparing the received address results in a match between the received address and at least one of the registered addresses;

means for comparing the determined operating system with one or more stored

operating systems, such that at least one of the stored operating systems

corresponds to the wireless access device; and

means for indicating that the received packet corresponds to the wireless access

device based on the first three octets of the received address and when

the determined operating system matches at least one of the stored

operating systems.

19. (Currently Amended) A system for detecting a wireless access device on a

network, the system comprising:

at least one memory comprising:

code that stores one or more organizationally unique identifiers that comprise the

first three octets of one or more registered addresses;

code that receives from the network a packet with an address;

code that searches the identifiers, wherein a more frequently encountered

~~identifier~~ predetermined percentage of identifiers is searched first ~~before a~~

~~less frequently encountered identifier~~;

code that compares the first three octets of the received address with the

identifiers;

code that determines if the received address includes one of the stored

identifiers;

code that determines an operating system associated with the received address,

when comparing the address results in a match between the received

address and at least one of the registered addresses;

code that compares the determined operating system with one or more stored

operating systems, such that at least one of the stored operating systems

corresponds to the wireless access device; and

code that indicates that the received packet corresponds to the wireless access

device based on the first three octets of the received address and when

the determined operating system matches at least one of the stored

operating systems; and

at least one data processor that executes the code.

20. (Original) The system of claim 19, wherein said code that receives further

comprises:

code that receives the address with information identifying a source of the

packet.

21. (Original) The system of claim 20, further comprising:

code that uses an organizationally unique identifier as the information identifying

the source.

22. (Original) The system of claim 19, wherein said code that receives further

comprises:

code that receives the address based on passively monitoring the network.

23. (Original) The system of claim 19, wherein code that compares the address further comprises:

code that determines whether a portion of the address is similar to a portion of at least one of the registered addresses.

24. (Original) The system of claim 19, wherein said code that compares the address further comprises:

code that determines whether a first organizationally unique identifier of the address is similar to a second organizationally unique identifier of at least one the registered addresses.

25. (Original) The system of claim 19, wherein said code that determines the operating system further comprises:

code that determines the operating system at the Internet Protocol address associated with the address.

26. (Original) The system of claim 25, wherein said code that determines the operating system further comprises:

code that determining the operating system using an nmap.

27. (Original) The system of claim 19, wherein said code that indicates further comprises:

code that indicates the wireless access device is not authorized on the network.

28. (Original) The system of claim 19, further comprising:

code that stores the one or more registered addresses, such that the one or more registered addresses are searchable.

29. - 32. (Canceled)

33. (Original) The system of claim 19, further comprising:

code that stores the stored operating systems, such that a more frequently encountered stored operating system is searched before a less frequently encountered stored operating system.

34. (Currently Amended) A computer program product, tangibly embodied in a computer-readable storage medium, for detecting a wireless access device on a network, the computer program product comprising:

code that stores one or more organizationally unique identifiers that comprise the first three octets of one or more registered addresses;

code that receives from the network a packet with an address;

-9-

code that searches the identifiers, wherein a more frequently encountered

~~identifier~~ predetermined percentage of identifiers is searched first ~~before a~~

~~less frequently encountered identifier~~;

code that compares the first three octets of the received address with the

identifiers;

code that determines if the received address includes one of the stored

identifiers;

code that determines an operating system associated with the received address,

when comparing the address results in a match between the received

address and at least one of the registered addresses;

code that compares the determined operating system with one or more stored

operating systems, such that at least one of the stored operating systems

corresponds to the wireless access device; and

code that indicates that the received packet corresponds to the wireless access

device based on the first three octets of the received address and when

the determined operating system matches at least one of the stored

operating systems; and

at least one data processor that executes the code.

35. (Original) The computer program product of claim 34, wherein said code that

receives further comprises:

code that receives the address with information identifying a source of the

packet.

36. (Original) The computer program product of claim 35, further comprising:

code that uses an organizationally unique identifier as the information identifying the source.

37. (Original) The computer program product of claim 34, wherein said code that receives further comprises:

code that receives the address based on passively monitoring the network.

38. (Original) The computer program product of claim 34, wherein code that compares the address further comprises:

code that determines whether a portion of the address is similar to a portion of at least one of the registered addresses.

39. (Original) The computer program product of claim 34, wherein said code that compares the address further comprises:

code that determines whether a first organizationally unique identifier of the address is similar to a second organizationally unique identifier of at least one of the registered addresses.

40. (Original) The computer program product of claim 34, wherein said code that determines the operating system further comprises:

code that determines the operating system at the Internet Protocol address associated with the address.

41. (Original) The computer program product of claim 34, wherein said code that determines the operating system further comprises:

code that determines the operating system using an nmap.

42. (Original) The computer program product of claim 34, wherein said code that indicates further comprises:

code that indicates the wireless access device is not authorized on the network.

43. (Original) The computer program product of claim 34, further comprising:

code that stores the one or more registered addresses, such that the one or more registered addresses are searchable.

44. - 47. (Canceled)

48. (Original) The computer program product of claim 34, further comprising:

code that stores the stored operating systems, such that a more frequently encountered stored operating system is searched before a less frequently encountered stored operating system.

49. (Currently Amended) A system comprising:

a network; and

a processor connected to the network, the processor comprising:

means for storing one or more organizationally unique identifiers that

comprise the first three octets of one or more registered addresses;

means for receiving a packet with an address from a wireless access

device on the network;

means for searching the identifiers, wherein a more frequently

encountered ~~identifier~~ predetermined percentage of identifiers is

searched first ~~before a less frequently encountered identifier~~;

means for comparing the first three octets of the received address with the

identifiers;

means for determining if the received address includes one of the stored

identifiers;

means for determining an operating system associated with the received

address, when comparing the received address results in a match

between the received address and at least one of the registered

addresses;

means for comparing the determined operating system with one or more

stored operating systems, such that at least one of the stored

operating systems corresponds to the wireless access device; and

means for indicating that the received packet corresponds to the wireless

access device based on the first three octets of the received

address and when the determined operating system matches at least one of the stored operating systems.

50. (Currently Amended) A system comprising:

a network;

a first processor interfaced to the network; and

a second processor interfaced to the network, wherein the second processor:

stores one or more organizationally unique identifiers that comprise the first three octets of one or more registered addresses;

receives a packet with an address from the first processor via the network;

searches the identifiers, wherein a more frequently encountered ~~identifier~~ predetermined percentage of identifiers is searched first ~~before a less frequently encountered identifier~~;

compares the first three octets of the received address with the identifiers;

determines if the received address includes one of the stored identifiers;

determines an operating system associated with the received address, when comparing the received address results in a match between the received address and at least one of the registered addresses;

compares the determined operating system with one or more stored operating systems, such that at least one of the stored operating systems corresponds to an operating system of the first processor; and

indicates that the first processor corresponds to a wireless access device based on the first three octets of the received address and when the determined operating system matches at least one of the stored operating systems.

51. (Canceled).

52. (Currently Amended) A computer program product, tangibly embodied in a computer-readable storage medium, for detecting a wireless access device on a network and containing instructions which, when executed on a processor, perform a method comprising:

storing one or more organizationally unique identifiers that comprise the first three octets of one or more registered addresses;

receiving from the network a packet with an address;

searching the identifiers, wherein a more frequently encountered ~~identifier~~ predetermined percentage of identifiers is searched first ~~before a less frequently encountered identifier~~;

comparing the first three octets of the received address with the identifiers;

determining if the received address includes one of the stored identifiers;

determining an operating system associated with the received address, when comparing the received address results in a match between the received address and at least one of the registered addresses;

comparing the determined operating system with one or more stored operating

systems, such that at least one of the stored operating systems

corresponds to the wireless access device; and

indicating that the received packet corresponds to the wireless access device

based on the first three octets of the received address and when the

determined operating system matches at least one of the stored operating

systems.